ARTHROPOD STRUCTURE & DEVELOPMENT

Volume Contents and Author Index

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Aims & Scope

ARTHROPOD STRUCTURE & DEVELOPMENT is a Journal of Arthropod Structural Biology, Development and Functional Morphology. The journal will consider manuscripts that deal with micro- and neuroanatomy, biomechanics, development, organogenesis of the Arthropoda, and related subjects, covering also information on enigmatic groups such as the Tardigrada and Onychophora. The aim of the journal is to publish papers in the areas of functional and comparative anatomy and development, with an emphasis on the role of cellular organization in organ function. The journal will also publish papers on organogenesis, embryonic and postembryonic development, and organ or tissue regeneration and repair. Manuscripts dealing with comparative and evolutionary aspects of microanatomy and development are encouraged, where as papers that are purely taxonomic descriptions will not be considered. Specifically, the following research areas will be covered:

- Integument and effector organs (exoskeleton, muscles and glands).
- Sensory structures, peripheral, autonomic and central nervous systems, and neuroendocrine systems.
- Circulatory, respiratory, visceral, and excretory organs.
- Reproductive systems, organogenesis and repair.
- Pattern formation and development.
- Comparative microanatomy and morphology of arthropods from the phylogenetic view.

A thorough but efficient peer-review system with the assistance of section and advisory editors of world-wide reputation will ensure that published papers will conform to high scientific standards. Review articles and article series on relevant topics will be invited at regular intervals and will be subject to peer-review. Particular emphasis will be given to high quality line and half-tone illustrations. Exceptional colour plates will be printed free of charge. Supplementary 3-D and motion figures and other electronic addenda can be submitted with the manuscript and published on the journal's website after acceptance.

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Illustration on front cover: A compound eye 400 million years old! The eye of the tilobite Eldredgeops milleri is remarkably well preserved despite its age (see also the article of Clarkson et al., in this issue).

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